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EXAMINER

BLACKMAN, ANTHONY J

ART UNIT	PAPER NUMBER
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2676

DATE MAILED: 08/20/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/724,780

Applicant(s)

CROSBY ET AL.

Examiner

ANTHONY J BLACKMAN

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 18 June 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-18 is/are allowed.
- 6) ☒ Claim(s) 19-27 is/are rejected:
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Response to Arguments***

1. Applicant's arguments filed 6/18/04 have been fully considered but they are not wholly persuasive. Examiner agrees in part, that claims 1-18 meet necessary conditions for allowance. The explanation will follow the revisited rejection of claims 19-27. Applicant notes that examiner acknowledges that HOEKSTRA et al relies upon MORRIS et al, US Patent No. 5,058,185 for steps (c) through (e) of claim 19. Applicant also states that examiner acknowledges that HOEKSTRA et al does not teach a second node as recited in claim 27. MORRIS et al provides support for the features lacking by HOEKSTRA et al. Applicant respectfully disagrees with that MORRIS et al may be combined with HOEKSTRA et al. Applicant asserts that MORRIS et al and HOEHSTRA transfer differing amounts of data between locations. Examiner respectfully disagrees with applicant's position regarding the combined references. Please note the revisited motivational statement,

"It would have been obvious to one skilled in the art at the time of the invention to utilize communication network 38 (e.g., a token ring network including a network controller) which is connected to the object storage and delivery manager 48 (column 7, lines 64-68) providing multiple nodes/processing connections between the token ring network of computers of MORRIS et al to modify a method for modifying high resolution digital images generated at an origination site...to a remote site of HOEKSTRA et al because the addition of MORRIS et al improves the at least access time for either magnetic or optical disk storage, will

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have a minimized communications traffic on the communications networks used by the object management and retrieval system, and yet will maintain the availability of high resolution images...(column 3, lines 18-46), therefore, improving object management and delivery system (column 3, lines 30-34)".

Examiner respectfully disagrees with Applicant regarding the combining of HOEKSTRA et al and MORRIS et al. In response to applicant's arguments against the references individually, one cannot show nonobviousness by attacking references individually where the rejections are based on combinations of references. See *In re Keller*, 642 F.2d 413, 208 USPQ 871 (CCPA 1981); *In re Merck & Co.*, 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986).

### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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3. Claims 19-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over HOEKSTRA et al, US Patent No. 6,304,277 in view of MORRIS et al, US Patent No. 5,085,185.

4. As per claim 19, HOEKSTRA et al disclose in a distributed system, an on-demand method of transferring a lower resolution resultant image from a first node to a second node that preserves an ability to form a higher resolution resultant image at the second node, comprising: at the first node (column 2, line 62-column 3, line 15, column 6, lines 17-38 and column 10, line 63-column 11, line 30 and figure 9, element 730, figure 10, element 760, figure 11, elements 708 and 800, figure 12, elements 830 and 840, and also 820 for further connection means, and figure 13),

(a) generating a first resultant image at a first resolution (column 5, line 42-column 6, line 38);

(b) rasterizing the first resultant image to form a second resultant image at a second resolution (column 1, lines 5-18, column 2, lines 9-16, 33-61 and column 4, lines 17-31, column 10, line 63-column 11, line 29), however, does not expressly teach the following recited claim features of claim 19, items (c), (d) and (e). Conversely, MORRIS et al suggest (c) transferring the second resultant image to the second node (the token ring network -38 column 7, lines 64-68, is connected to image terminals-21, the image terminals as disclosed in figure 1 contain image terminals-21, printer-46, scanner-22, and image retrieval workstation-no designation. The token ring network provides multiple node/interconnecting processing between respective workstations. Therefore, the

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second resultant images and at least second resolutions (due to the repeating resolution modification loop, are generated in the following figures; figure 12b with repeating steps between s6 and s10, figure 18b with repeating steps s74-s78 and figure 19b with repeating steps s89-s92. Multiple nodes are represented with each successive token ring network-38 connection to each image terminal-21.), (d) selecting a third resolution (The following figures and steps suggest at generation of multiple resolution modifications ((the token ring network -38 column 7, lines 64-68, is connected to image terminals-21, the image terminals as disclosed in figure 1 contain image terminals-21, printer-46, scanner-22, and image retrieval workstation-no designation. The token ring network provides multiple node/interconnecting processing between respective workstations.

Therefore, the second resultant images and at least second resolutions (due to the repeating resolution modification loop, are generated in the following figures; figure 12b with repeating steps between s6 and s10, figure 18b with repeating steps s74-s78 and figure 19b with repeating steps s89-s92. Multiple nodes are represented with each successive token ring network-38 connection to each image terminal-21), (e) rasterizing the second resultant image to form a third resultant image at the third resolution (the token ring network -38 column 7, lines 64-68, is connected to image terminals-21, the image terminals as disclosed in figure 1 contain image terminals-21, printer-46, scanner-22, and image retrieval workstation-no designation. The token ring network provides multiple node/interconnecting processing between respective workstations. Therefore, the second resultant images and at least second resolutions (due to the repeating

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resolution modification loop, are generated in the following figures; figure 12b with repeating steps between s6 and s10, figure 18b with repeating steps s74-s78 and figure 19b with repeating steps s89-s92. Multiple nodes are represented with each successive token ring network-38 connection to each image terminal-21.).

It would have been obvious to one skilled in the art at the time of the invention to utilize communication network 38 (e.g., a token ring network including a network controller) which is connected to the object storage and delivery manager 48 (column 7, lines 64-68) providing multiple nodes/processing connections between the token ring network of computers of MORRIS et al to modify a method for modifying high resolution digital images generated at an origination site...to a remote site of HOEKSTRA et al because the addition of MORRIS et al improves the at least access time for either magnetic or optical disk storage, will have a minimized communications traffic on the communications networks used by the object management and retrieval system, and yet will maintain the availability of high resolution images...(column 3, lines 18-46), therefore, improving object management and delivery system (column 3, lines 30-34).

5. As per claim 20, HOEKSTRA et al as modified meet limitations of claim 19. HOEKSTRA et al suggest wherein the generating a first resultant image (column 5, line 42-column 6, line 38) comprises: (f) retrieving a digital negative of an original digital image (column 1, lines 18-35, column 4, lines 7-18 and column 5, line 42-column 6, line 38); (g) modifying the digital to form the first resultant image at the first resolution (column 1, lines 18-35, column 4, lines 7-18 and

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column 5, line 42-column 6, line 38); (h) associating a first edit list based on the modifying with the first resultant image ((column 1, lines 18-35, column 4, lines 7-18 and column 5, line 42-column 6, line 38); and (i) linking the first edit list to the digital negative (column 5, line 42-column 6, line 38).

It would have been obvious to one skilled in the art at the time of the invention to utilize communication network 38 (e.g., a token ring network including a network controller) which is connected to the object storage and delivery manager 48 (column 7, lines 64-68) providing multiple nodes/processing connections between the token ring network of computers of MORRIS et al to modify a method for modifying high resolution digital images generated at an origination site...to a remote site of HOEKSTRA et al because the addition of MORRIS et al improves the at least access time for either magnetic or optical disk storage, will have a minimized communications traffic on the communications networks used by the object management and retrieval system, and yet will maintain the availability of high resolution images...(column 3, lines 18-46), therefore, improving object management and delivery system (column 3, lines 30-34).

6. As per claim 21, HOEKSTRA et al as modified meet limitations of claim 20. HOEKSTRA et al suggest wherein the generating a first resultant image (column 5, line 42-column 6, line 38) comprises (j) modifying the first resultant image to form the second resultant image at the second resolution (column 10, line 63-column 11, line 30-note column 11, lines 16-30 wherein user may further modify the file); (k) **associating** a second edit list based on the modifying (j) with the second resultant image at the second resolution and the first resultant image



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(column 10, line 63-column 11, line 30-note column 11, lines 16-30 wherein user may further modify the file ); (l) **linking** the second edit list to the original digital negative (column 10, line 63-column 11, line 30-note column 11, lines 16-30 wherein user may further modify the file).

It would have been obvious to one skilled in the art at the time of the invention to utilize communication network 38 (e.g., a token ring network including a network controller) which is connected to the object storage and delivery manager 48 (column 7, lines 64-68) providing multiple nodes/processing connections between the token ring network of computers of MORRIS et al to modify a method for modifying high resolution digital images generated at an origination site...to a remote site of HOEKSTRA et al because the addition of MORRIS et al improves the at least access time for either magnetic or optical disk storage, will have a minimized communications traffic on the communications networks used by the object management and retrieval system, and yet will maintain the availability of high resolution images...(column 3, lines 18-46), therefore, improving object management and delivery system (column 3, lines 30-34).

7. As per claim 22, HOEKSTRA et al as modified meet limitations of claim 21. HOEKSTRA et al suggest the following limitations as claimed for (m), (n), and (o) as follows; (m) sending a digital negative request to the first node (column 6, lines 17-38 and column 10, line 63-column 11, line 30 and figure 9, element 730, figure 10, element 760, figure 11, elements 708 and 800, figure 12, elements 830 and 840); (n) receiving the requested digital negative and the first linked edit list

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(column 6, lines 17-38 and column 10, line 63-column 11, line 30 and figure 9, element 730, figure 10, element 760, figure 11, elements 708 and 800, figure 12, elements 830 and 840); (o) modifying the requested digital negative based upon the first edit list to form the first resultant image at the first resolution (column 6, lines 17-38 and column 10, line 63-column 11, line 30 and figure 9, element 730, figure 10, element 760, figure 11, elements 708 and 800, figure 12, elements 830 and 840), however, does not expressly teach means of a second node, "...at the second node, if it is determined that the third resolution is the first resolution...". MORRIS et al's inherent multi (-second) node processing connection means, as disclosed (figure 1 illustrates a series of interconnecting nodes between the Network Controller-38 and the three-linked computers of elements 20 including the scanner, image retrieval workstation and printer, also suggesting different resolutions, further (the token ring network -38 column 7, lines 64-68, is connected to image terminals-21, the image terminals as disclosed in figure 1 contain image terminals-21, printer-46, scanner-22, and image retrieval workstation-no designation. The token ring network provides multiple node/interconnecting processing between respective workstations. Therefore, the second resultant images and at least second resolutions (due to the repeating resolution modification loop, are generated in the following figures; figure 12b with repeating steps between s6 and s10, figure 18b with repeating steps s74-s78 and figure 19b with repeating steps s89-s92. Multiple nodes are represented with each successive token ring network-38 connection to each image terminal-21) and 11 and the following sites correspond to the following feature as

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claimed, "...at the second node, if it is determined that the third resolution is the first resolution..." (column 3, line 65-column 4, line 7 describe a first resolution and second resolution less than the first resolution and the third resolution greater than the second resolution without disclosing differences between the first resolution and third resolution; column 4, lines 63-68, converts the first resolution into the third resolution. This conversion process corresponds to determining that the third resolution is the first resolution.). It would have been obvious to one skilled in the art at the time of the invention to utilize communication network 38 (e.g., a token ring network including a network controller) which is connected to the object storage and delivery manager 48 (column 7, lines 64-68) providing multiple nodes/processing connections between the token ring network of computers of MORRIS et al to modify a method for modifying high resolution digital images generated at an origination site...to a remote site of HOEKSTRA et al because the addition of MORRIS et al improves the at least access time for either magnetic or optical disk storage, will have a minimized communications traffic on the communications networks used by the object management and retrieval system, and yet will maintain the availability of high resolution images...(column 3, lines 18-46), therefore, improving object management and delivery system (column 3, lines 30-34).

8. As per claim 23, HOEKSTRA et al as modified meet limitations of claim 22. HOEKSTRA et al suggest wherein the first node is a first computing device coupled to a first input device and a first output device (column 6, lines 17-38 and

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column 10, line 63-column 11, line 30 and figure 9, element 730, figure 10, element 760, figure 11, elements 708 and 800, figure 12, elements 830 and 840), however, does not expressly teach wherein the second node is a second computing device coupled to a second output device and a second input device. MORRIS et al suggest the above feature (figure 1, including; token ring network means column 7, lines 64-68 and wherein nodes are connected by network controller 38 in the token ring network with various combinations of input and output including the scanner-22, printer-46 and image units all contained within workstations 20).

It would have been obvious to one skilled in the art at the time of the invention to utilize communication network 38 (e.g., a token ring network including a network controller) which is connected to the object storage and delivery manager 48 (column 7, lines 64-68) providing multiple nodes/processing connections between the token ring network of computers of MORRIS et al to modify a method for modifying high resolution digital images generated at an origination site...to a remote site of HOEKSTRA et al because the addition of MORRIS et al improves the at least access time for either magnetic or optical disk storage, will have a minimized communications traffic on the communications networks used by the object management and retrieval system, and yet will maintain the availability of high resolution images...(column 3, lines 18-46), therefore, improving object management and delivery system (column 3, lines 30-34).

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9. As per claim 24, HOEKSTRA et al as modified meet limitations of claim 23. HOEKSTRA et al does not expressly teach a second node means. MORRIS et al suggest the means of wherein the second node is a server computer ((figure 1, including; token ring network means column 7, lines 64-68 and wherein nodes are connected by network controller 38 in the token ring network with various combinations of input and output including the scanner-22, printer-46 and image units all contained within workstations 20).

It would have been obvious to one skilled in the art at the time of the invention to utilize communication network 38 (e.g., a token ring network including a network controller) which is connected to the object storage and delivery manager 48 (column 7, lines 64-68) providing multiple nodes/processing connections between the token ring network of computers of MORRIS et al to modify a method for modifying high resolution digital images generated at an origination site...to a remote site of HOEKSTRA et al because the addition of MORRIS et al improves the at least access time for either magnetic or optical disk storage, will have a minimized communications traffic on the communications networks used by the object management and retrieval system, and yet will maintain the availability of high resolution images...(column 3, lines 18-46), therefore, improving object management and delivery system (column 3, lines 30-34).

10. As per claim 25, HOEKSTRA et al as modified meet limitations of claim 24. HOEKSTRA et al does not expressly meet limitations of claim 24. MORRIS et

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al suggest wherein the first computing device and the second computing device are linked in a peer-to-peer arrangement (figure 1 and column 7, lines 64-68). It would have been obvious to one skilled in the art at the time of the invention to utilize communication network 38 (e.g., a token ring network including a network controller) which is connected to the object storage and delivery manager 48 (column 7, lines 64-68) providing multiple nodes/processing connections between the token ring network of computers of MORRIS et al to modify a method for modifying high resolution digital images generated at an origination site...to a remote site of HOEKSTRA et al because the addition of MORRIS et al improves the at least access time for either magnetic or optical disk storage, will have a minimized communications traffic on the communications networks used by the object management and retrieval system, and yet will maintain the availability of high resolution images...(column 3, lines 18-46), therefore, improving object management and delivery system (column 3, lines 30-34).

11. As per claim 26, HOEKSTRA et al as modified meet limitations of claim 25. HOEKSTRA et al does not expressly teach features of claim 26. MORRIS et al teach wherein the first computing device and the second computer device are wirelessly linked (figure 1 and column 7, lines 64-68 and (the token ring network -38 column 7, lines 64-68, is connected to image terminals-21, the image terminals as disclosed in figure 1 contain image terminals-21, printer-46, scanner-22, and image retrieval workstation-no designation. The token ring network provides multiple node/interconnecting processing between respective

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workstations. Multiple nodes are represented with each successive token ring network-38 connection to each image terminal-21.)).

It would have been obvious to one skilled in the art at the time of the invention to utilize communication network 38 (e.g., a token ring network including a network controller) which is connected to the object storage and delivery manager 48 (column 7, lines 64-68) providing multiple nodes/processing connections between the token ring network of computers of MORRIS et al to modify a method for modifying high resolution digital images generated at an origination site...to a remote site of HOEKSTRA et al because the addition of MORRIS et al improves the at least access time for either magnetic or optical disk storage, will have a minimized communications traffic on the communications networks used by the object management and retrieval system, and yet will maintain the availability of high resolution images...(column 3, lines 18-46), therefore, improving object management and delivery system (column 3, lines 30-34).

12. As per claim 27, HOEKSTRA et al suggest a system for transferring a lower resolution resultant image between nodes while preserving an ability to form a higher resolution resultant image, the image comprising: a first node including a processor configured to receive a digital negative of an original digital image generated from an imaging device (column 2, line 62-column 3, line 15, column 5, line 42-column 6, line 38), to modify the digital negative to form a first resultant image (column 2, line 62-column 3, line 15, column 5, line 42-column 6, line 38), to generate a first edit list/script file based upon the modification of the

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digital negative (column 2, line 62-column 3, line 15, column 5, line 42-column 6, line 38), and to link the first edit list with the digital negative (column 2, line 62-column 3, line 15, column 5, line 42-column 6, line 38 and column 10, line 63-column 11, line 29), to modify the first resultant image to form a second resultant image (column 2, line 62-column 3, line 15, column 5, line 42-column 6, line 38 and column 10, line 63-column 11, line 29), to generate a second edit list based upon the modification of the first resultant image (column 2, line 62-column 3, line 15, column 5, line 42-column 6, line 38 and column 10, line 63-column 11, line 29), and to link the second edit list with the digital negative (column 2, line 62-column 3, line 15, column 5, line 42-column 6, line 38 and column 10, line 63-column 11, line 29); however, does not expressly discuss a second node means.

MORRIS et al suggest

a second node including a processor (figure 1element 38-Network Controller with Workstations 20 correspond to the multi-node linking means and column 11, line 57-column 12, line 9) and configured to receive the first resultant image from the first node (figure 1element 38-Network Controller with Workstations 20 correspond to the multi-node means and column 11, line 57-column 12, line 9), to modify the first resultant image to form a second resultant image, to generate a second edit list based upon the modification of the first resultant image, and to link the second edit list with the digital negative; wherein the first and second resultant images are at a lower resolution than the digital negative.

It would have been obvious to one skilled in the art at the time of the invention to utilize communication network 38 (e.g., a token ring network including a network



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controller) which is connected to the object storage and delivery manager 48 (column 7, lines 64-68) providing multiple nodes/processing connections between the token ring network of computers of MORRIS et al to modify a method for modifying high resolution digital images generated at an origination site...to a remote site of HOEKSTRA et al because the addition of MORRIS et al improves the at least access time for either magnetic or optical disk storage, will have a minimized communications traffic on the communications networks used by the object management and retrieval system, and yet will maintain the availability of high resolution images...(column 3, lines 18-46), therefore, improving object management and delivery system (column 3, lines 30-34).

***Allowable Subject Matter***

13. The following is an examiner's statement of reasons for allowance for independent claims 1 and 10: none of the prior art of record, including, HOEKSTRA et al, US Patent No. 6,304,277 expressly teach or suggest the following claim features and limitations - "...the features of capturing an original digital negative at an embedded imaging device at an original resolution and storing the linked edit list, the original digital negative and the second resultant image at the embedded imaging device. In addition, HOEKSTRA et al fails to disclose or suggest at least the features of an embedded imaging device to capture an original an original digital negative at an original resolution and a

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means for storing the linked first edit list, the original digital negative, and the first resultant image at the embedded imaging device as recited in claim 10.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### **CONCLUSION**

**14. THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ANTHONY J BLACKMAN whose telephone

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number is 703-305-0833. The examiner can normally be reached Monday-Friday between 8am-5pm.

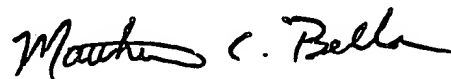
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MATTHEW BELLA can be reached on 703-308-6829. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



ANTHONY J BLACKMAN  
Examiner  
Art Unit 2676

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MATTHEW C. BELLA  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600